Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/11/2015 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124202	-1	3.57	124079	3.56
Blue	F	SSC	125000	121761	-3	3.52	122673	3.23
Blue	E	FITC	17998	17324	-4	2.71	979	9.14
Blue	D	PE	23234	22818	-2	2.27	1029	8.36
Blue	B	PerCP-Cy5-5	69571	68773	-2	2.98	1805	13.33
Blue	A	PE-Cy7	77815	76641	-2	4.01	1000	25.12
Red	C	APC	65936	65143	-2	2.57	3676	8.22
Red	A	APC-Cy7	100669	100672	0	2.64	1984	8.03
Violet	B	V450	10405	9884	-6	4.07	615	8.86
Violet	A	V500	47250	45877	-3	3.74	2595	6.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18798	16.98	609	30	N/A	N/A	Pass
Blue	F	SSC	60682	2.18	517	28	N/A	N/A	Pass
Blue	E	FITC	105	36.65	532	17	0.0244	164	Pass
Blue	D	PE	213	24.71	525	18	0.1628	126	Pass
Blue	B	PerCP-Cy5-5	219	40.07	611	21	0.0110	7	Pass
Blue	A	PE-Cy7	73	102.83	668	22	0.0147	16	Pass
Red	C	APC	343	26.53	588	10	0.0205	2	Pass
Red	A	APC-Cy7	124	37.72	568	9	0.0047	649	Pass
Violet	B	V450	65	45.62	468	18	0.0399	1963	Pass
Violet	A	V500	169	25.24	509	21	0.0122	593	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.60	-31.47	0.72
Blue	20.47	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.18
Red	15.04	13.07 - 19.61	N/A	N/A	31.98	32.21	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10051

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments